40ENAE			.S. PATENT DOCUMENTS						
XAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE			
ET	RE 19,372	11/13/34	Walton	428	404	_			
81	RE 20,295	03/16/37	Fisher	428	145	·			
ST	1,677,701	07/17/28	Alton	428	404				
ET	2,001,448	05/14/35	Beasley	428	404	_			
87	2,142,540	01/03/39	Veazey	427	219	_			
81	2,379,358	06/26/45	Jewett	428	145	-			
21	2,695,851	11/30/54	Lodge	428	404	_	,		
ET	2,898,232	08/04/59	Miller, et al.	427	219				
81	2,981,636	04/25/61	Lodge, et al.	428	404	_			
88	2,986,476	05/30/61	Larssen	427	219	•			
81	3,397,073	08/13/68	Fehner	428	405	_			
		FOR	EIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSL YES	ATION NO		
81	WO 96/07538	03/14/96	PCT			163	NO		
	-						•		
	OTHER DOCUM	L ENTS (Includi		ent Pages, Etc.)	L.,	<u> </u>			
ET	"The Aging Process of Shingles" by Tyler Wierman, 4 pgs., date unknown, http://www.ag.ohio-state.edu/-ati_cons/257/tyler/1.htm.								
ET	Technical Bulletin Asp Catalogue No. 217-RR	halt Roofing Ma -89, 1 pg., (Calve	nufacturers Association "Algae D rton, MD), May 1997.	iscoloration of Roc	ofs",				
CAMINER	<u> </u>		DATE CONSIDERED	8/8/05					

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INFORMATION DISCLOSURE CITATION
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ATTY DOCKET NO.	SERIAL NO.				
183-01	10/600,809				
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PADEMARY		U	S. PATENT	DOCUMENTS				
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	SUBCLASS FILING DATE IF APPROPRIAT	
85	3,479,201	11/18/69	Sloan		428	145	_	
ET	3,507,676	04/21/70	McMahon		428	145		
ET	3,752,696	08/14/73	Beyard,	, et al.	427	219	219 —	
61	3,932,143	01/13/76	Marsha	Marshall, et al.		622	_	
ET	3,945,945	03/23/76	Kiovsky, et al.		502	355		
61	3,985,540	10/12/76	Fein, et	al.	504	152	-2 _	
81	4,092,441	05/30/78	Meyer,	et al.	427	453	-	
68	4,631,267 12/23/86		Lachma	Lachman, et al.		152	<u> </u>	
81	4,920,090	04/24/90	Ritter, et al.		427	453		
ET	5,039,311	08/13/91	Bloecher		502	439		
ET	5,052,162	10/01/91	Bush, et al.		52赛	518		
		FOR	EIGN PATE	NT DOCUMENTS				
	DOCUMENT NUMBER	DATE		COUNTRY	· CLASS	SUBCLASS	TRANS YES	LATION NO
	·			-				
	OTHER DOCUM	ENTS (Includi	ng Author	, Title, Date, Pertin	ent Pages, Etc.)		
E	Copper Development Association Inc., "Copper Blocks Ugly Bugs", 2 pgs., Winter 1995.							
8	Johns Manville Roofing Systems Group, "Roofing Granules" Sheet ID: 3004, 6 pgs., (Denver, CO), Issued January 11, 2001.							
EXAMINER	STE	n u		DATE CONSIDERED	8/8/8	25	· · · · · · · ·	

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ATTY DOCKET NO. SERIAL NO. 10/600,809 183-01 RMATION DISCLOSURE CITATION Keith C. Hong, et al. (Use several sheets if necessary) GROUP FILING June 20, 2003 1762 PADEMA **U.S. PATENT DOCUMENTS** EXAMINER FILING DATE SUBCLASS NAME CLASS DOCUMENT NUMBER DATE IF APPROPRIATE 09/15/92 Ichimura, et al. 5,147,686 217 427 186 427 5,356,664 10/18/94 Narayan, et al. 186 42 7 11/08/94 George, et al. 5,362,566 427 294 11/22/94 Howard 5,366,767 5,411,803 05/02/95 George, et al. 428 403 427 299 02/04/97 Israel 5,599,586 502 439 03/31/98 5,733,842 Gerdes, et al. 451 28 5,975,988 11/02/99 Christianson 432 524 6,063,849 05/16/00 Morris, et al. 428 521 09/19/00 6,120,913 Kluttz, et al. 423 404 6,214,466 04/10/01 Joedicke FOREIGN PATENT DOCUMENTS TRANSLATION - CLASS SUBCLASS DOCUMENT NUMBER DATE COUNTRY OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Minerals Research & Recovery, Inc., "Roofing Granules", 2 pgs., (Tucson, AZ), date unknown. DATE CONSIDERED **EXAMINER**

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INITIAL .	6,235,372	05/22/01	Joedick	Joedicke		145	IF APPROPE	MAIE
61	6,238,794	05/29/01	Beesley	, et al.	428	403		
ET	6,245,381	06/12/01	Israel		427	186	_	
81	6,495,074	12/17/02	Carr		264	36.18	_	-
8	6,521,004	02/18/03	Culler,	et al.	51	298		
ET	U.S. 2002/0095871	07/25/02	McArd	le, et al.	51	298		
81	U.S. 2002/0098110	07/25/02	Grahar	n, et al.	428	28		-
81	U.S. 2002/0160151	10/31/02	Pinault	, et al.	428	144	_	
El	U.S. 2003/0037698	02/27/03	Kiik, et	al.	106	15.05	_	
ET	U.S. 2003/0068469	04/10/03	Aschen	Aschenbeck, et al.		750		
81	U.S. 2003/0108668	U.S. 2003/0108668 06/12/03		Joekicke		212		
		FOF	REIGN PATE	ENT DOCUMENTS				
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			U.S. PATENT	APPLICATION PUBLICATIONS			
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	. DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
ET		2004/0110639 A1	06/10/04	Joedicke	504	151	
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